

J-F Boussuge

List of Publications by Year in descending order

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38
papers

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citations

567281

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38
all docs

38
docs citations

38
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of a finite volume and two Lattice Boltzmann solvers for swirled confined flows. Computers and Fluids, 2022, 241, 105463.	2.5	10
2	Large eddy simulation of a thermal impinging jet using the lattice Boltzmann method. Physics of Fluids, 2022, 34, .	4.0	7
3	Coupling of turbulence wall models and immersed boundaries on Cartesian grids. Journal of Computational Physics, 2021, 429, 109995.	3.8	29
4	Improved compressible hybrid lattice Boltzmann method on standard lattice for subsonic and supersonic flows. Computers and Fluids, 2021, 219, 104867.	2.5	34
5	Improved wall model treatment for aerodynamic flows in LBM. Computers and Fluids, 2021, 227, 105041.	2.5	17
6	Lattice Boltzmann method for computational aeroacoustics on non-uniform meshes: A direct grid coupling approach. Journal of Computational Physics, 2021, 447, 110667.	3.8	19
7	A linear stability analysis of compressible hybrid lattice Boltzmann methods. Journal of Computational Physics, 2021, 446, 110649.	3.8	22
8	Description of the flow in a linear cascade with an upstream cavity part 2: Assessing the loss generated using an exergy formulation (draft). Computers and Fluids, 2020, 199, 104360.	2.5	1
9	Description of the flow in a linear cascade with an upstream cavity Part 1: Influence of turbulence (draft). Computers and Fluids, 2020, 199, 104361.	2.5	2
10	Linear stability and isotropy properties of athermal regularized lattice Boltzmann methods. Physical Review E, 2020, 102, 053305.	2.1	23
11	Analysis and reduction of spurious noise generated at grid refinement interfaces with the lattice Boltzmann method. Journal of Computational Physics, 2020, 418, 109645.	3.8	29
12	Consistent vortex initialization for the athermal lattice Boltzmann method. Physical Review E, 2020, 101, 043306.	2.1	11
13	Description of the Flow in a Two-Stage Low-Pressure Turbine With Hub Cavities. Journal of Turbomachinery, 2020, 142, .	1.7	1
14	Delineating Loss Sources Within a Linear Cascade With Upstream Cavity and Purge Flow. Journal of Turbomachinery, 2019, 141, .	1.7	2
15	An extended spectral analysis of the lattice Boltzmann method: modal interactions and stability issues. Journal of Computational Physics, 2019, 380, 311-333.	3.8	45
16	Tonal Noise Prediction of a Modern Turbofan Engine With Large Upstream and Downstream Distortion. Journal of Turbomachinery, 2019, 141, .	1.7	16
17	Comparison of Various CFD Codes for LES Simulations of Turbomachinery: From Inviscid Vortex Convection to Multi-Stage Compressor. , 2018, , .		3
18	Extended integral wall-model for large-eddy simulations of compressible wall-bounded turbulent flows. Physics of Fluids, 2018, 30, .	4.0	25

#	ARTICLE	IF	CITATIONS
19	Revisiting the spectral analysis for high-order spectral discontinuous methods. Journal of Computational Physics, 2017, 337, 379-402.	3.8	35
20	Recursive regularization step for high-order lattice Boltzmann methods. Physical Review E, 2017, 96, 033306.	2.1	99
21	Effect of Distortion on Turbofan Tonal Noise at Cutback with Hybrid Methods. International Journal of Turbomachinery, Propulsion and Power, 2017, 2, 16.	1.1	9
22	Impact of inlet distortion on fan tonal noise. , 2017, , .		1
23	Numerical study on the relation between hydrodynamic fluctuations and noise in hot jets at high Reynolds number. , 2016, , .		2
24	Large Eddy Simulation of Shock-Cell Noise From a Dual Stream Jet. , 2016, , .		1
25	Influence of Distortion on Fan Tonal Noise. , 2016, , .		3
26	Simulations of LAGOON landing-gear noise using Lattice Boltzmann Solver. , 2015, , .		16
27	In-Plane Forces Prediction and Analysis in High-Speed Conditions on a Contra-Rotating Open Rotor. Journal of Turbomachinery, 2014, 136, .	1.7	1
28	Wall-Modelled Large-Eddy Simulation of a hot Jet-In-Cross-Flow with turbulent inflow generation. Computers and Fluids, 2014, 101, 136-154.	2.5	5
29	Hybrid RANS-LES Simulation of Wingtip Vortex Dynamics. , 2014, , .		4
30	Affordable Compressible LES of Airfoil-Turbulence Interaction in a Free Jet. , 2011, , .		10
31	Development of a new hybrid compressible solver inside the CFD elsA software. , 2011, , .		8
32	A robust low speed preconditioning formulation for viscous flow computations. Computers and Fluids, 2011, 47, 1-15.	2.5	32
33	High performance parallel computing of flows in complex geometries. Comptes Rendus - Mecanique, 2011, 339, 104-124.	2.1	59
34	Simulation of a Low-Mach, High Reynolds Number Jet: First Step Towards the Simulation of Jet Noise Control by Micro-jets. , 2010, , .		3
35	Numerical Investigation of the Tip Leakage Flow in a Multistage High Pressure Compressor. , 2009, , 217-229.		0
36	High performance parallel computing of flows in complex geometries: I. Methods. Computational Science & Discovery, 2009, 2, 015003.	1.5	57

#	ARTICLE	IF	CITATIONS
37	High performance parallel computing of flows in complex geometries: II. Applications. Computational Science & Discovery, 2009, 2, 015004.	1.5	22
38	Numerical simulation of an axial compressor with nonaxisymmetric casing treatment. , 2009, , .		2